



# CA-6001 UHF DUAL HIGH-POWER ARRAY ANTENNA

The CA-6001 Antenna consists of two independent arrays within a single, high-strength housing. Each of the arrays consists of collinear dipole elements, which provide high-gain line-of-sight communications.

The lower antenna provides +10 dBi nominal gain and can handle power levels in excess of 8 kW, while the upper antenna provides +5 dBi and handles power levels in excess of 2 kW. To provide high isolation, a 12-foot spacer is inserted between the two arrays.

The CA-6001 includes provisions for guy wires and has been designed to survive direct lightning strikes without damage. In addition, the CA-6001 can be pressurized to prevent corrosion and moisture intrusion.

ELECTRICAL	
Frequency range	225 – 400 MHz
VSWR	
Lower antenna	1.8:1 max
Upper antenna	2.0:1 max
Gain	
Lower antenna	10 dBi nom
Upper antenna	5 dBi nom
Polarization	Vertical
Beam width	
Lower antenna	5.5° to 10°
Upper antenna	32° to 36°
Power handling	
Lower antenna	8 kW avg
Upper antenna	2 kW avg
MECHANICAL	
RF Connector	
Lower antenna	1 5/8 EIA flange
Upper antenna	7/16 DIN connector
Weight	700 lb
Finish	Per MIL-P-24441B, Type 1 haze gray



## KEY FEATURES

- > Dual ultra-high frequency (UHF) 225 to 400 MHz collinear antenna
- > High gain 5 dBi upper, 10 dBi lower
- > High power
- > Ground site usage

**For further details and specifications, contact the factory at [antenna.info@L3Harris.com](mailto:antenna.info@L3Harris.com)**

### CA-6001 UHF Dual High-Power Array Antenna

© 2022 L3Harris Technologies, Inc. | 01/2022 | 61690 | EL

Nonexport-controlled Information

L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.

